

From owner-qrp-l@netcom.com Mon Nov 14 15:26:58 1994
Message-Id: <m0r758V-00000MC@juts.ccc.amdahl.com>
Date: Monday, 14 November 1994 09:18 PT
From: bruce.florip@amail.amdahl.com
Subject: Alda triband transceiver

Hi Nils,

I have one of the Alda 103s for about 5 years. I use it mobile and got great signal reports. The two speed tuning, and 225 watts out make it a good rig for reliable schedules on 40.

Send me your address and I'll send you copies of the manuals. I think there are three.

73, Bruce aa7ar/6 norcal#11

From owner-qrp-l@netcom.com Mon Nov 14 23:10:17 1994
Date: Mon, 14 Nov 94 19:56:58 -0600
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9411150156.AA06207@chuck.dallas.sgi.com>
Subject: home again

I left this morning (Mon) early from FL due to Gordon. Since I was on the FL Keys and going to wind up in the big middle of the storm, I got an early flight out and made it back to big D where it's raining here too, but we don't have the high winds.

Friday night didn't work a single station. Was on, but prop wasn't too hot. Had a TI4 kw station at 7.045 that blocked me from 7.045 to 7.049 or so. He was running the full 1,000W out into a four element quad and coming in like gang busters in the Keys. Stayed below him but didn't get anyone that I called and didn't get a single response to any CQ. Chalk it up to the visitor effect, a.k.a. Murphey's Law.

dit dit
SIG
Chuck Adams K5FO CP-60
adams@sgi.com

From owner-qrp-l@netcom.com Mon Nov 14 16:41:00 1994
Date: Mon, 14 Nov 1994 11:48:18 +0001 (EST)

From: Glen Leinweber <leinwebe@mcmail.cis.mcmaster.ca>
Subject: Homebrew qrp wattmeter
Message-Id: <Pine.3.89.9411141117.A18408-0100000@mcmail>

Just finished building "A Simple and Accurate QRP Directional Wattmeter" from the plans in the Radio AmateurHandbook (in STATION ACCESSORIES chapter). It was originally described in Feb 1990 QST by Roy Lewallan.

This is a sweet little useful SWR/wattmeter that is accurate down to about 10 mw. Construction is very well described, with excellent diagrams and pictures. There's even a description on how to make a scale for the meter. It'd be a terrific neophyte homebrew project. Try it, you'll like it,

Glen Leinweber VE3DNL leinwebe@mcmail.mcmaster.ca

From owner-qrp-l@netcom.com Mon Nov 14 23:03:06 1994
Message-Id: <9411142048.AA11443@emsr1.emsr.att.com>
From: meh@cbsms1.cb.att.com (m.e.hartwell)
Date: 14 Nov 1994 15:42 EST
Subject: IOTA

Hello All

Ok, I had the information but lost it somewhere. I know where to send my check but don't know for how much. Of course I am talking about the IOTA list. How much does it cost?

Marty

From owner-qrp-l@netcom.com Tue Nov 15 01:17:26 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Lost another one...
Date: Mon, 14 Nov 94 21:39:58 EST5EDT
Message-Id: <1994Nov14.213958.27327@wb3ffv.ampr.org>

And another one bites the dust, this time WB9OMC, who indicated his boss isn't happy with the amount of time he has to spend on the system dealing with all the e-mails generated by the current mailing list. Yet another to add to the very, very long list of unsubscribes attributed to the loss of the digest function when the list left think.com. I can see that being the death of the qrp list, or at least a very severe damping factor. (Wonder if that's one reason there hasn't been that much mail lately? Seems like the list was much more

lively during the summer when I first got in it....and the old archives before that, downloaded from think.com, sure show a lot of activity.) Fortunately I access this from home, at my own expense, on my own time, but not everyone has that luxury. I also do NOT pay per e-mail received, which helps. So what exactly is involved in having a digest done? Is that something that has to be done by the host operator, or can a user do it? Or someone on the list? Lots of people know about the daily.qrp and 3day.qrp files which can be FTPed from sunsite.unc.edu, which are maintained by AB4EL in his pub/academic/agriculture/agronomy subdirectory (no kidding, that's where the QRP is!), along with an awful lot of archived material, but again that takes a great deal of time and effort to download, especially if the boss is watching! In the last month or three I have perceived a very definite slowing down of the QRP mailing list, and we all know there have been mass defections. Does anyone have any suggestions or ideas? (I don't think this is a good time to bring up the mailing list vs. newsgroup discussion again, since that has been covered at length many times. Also, if you bothered to read through all the addresses on the recent Legalize Drugs spamming, you'll know that just netcom.com, alone, has quite a few mailing lists--if everyone who has a mailer were to go to a newsgroup, we'd have thirty gazillion of them instead of a few tens of thousands, or whatever it is.) Is it just my perception, or is the QRP list dying? 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Mon Nov 14 17:11:58 1994
Date: Mon, 14 Nov 1994 13:28:00 +0500
From: teda@meaddata.com (Ted Albert)
Message-Id: <9411141828.AA15203@rain.meaddata.com>
Subject: Millen and Jackson Bros. parts needed

I am searching for a supply of Millen air variable capacitors and vernier dials. Also searching for vernier dials from Jackson Brothers and National. Here is what I am looking for:

1. Millen 19050 air variable capacitor
2. Millen 19140 air variable capacitor
3. Jackson Bros. 4489 Vernier Dial
4. Millen 10008 Vernier Dial
5. National Type N2 Vernier Dial
6. National Type K Vernier Dial

Any information would be greatly appreciated.

Thanks,

Ted, KF8EE

From owner-qrp-l@netcom.com Mon Nov 14 09:32:56 1994
From: JimN00CT@aol.com
Date: Mon, 14 Nov 1994 07:36:49 -0500
Message-Id: <941114073643_7158208@aol.com>
Subject: NN1G T/R circuit

I saw a post several weeks ago regarding the NN1G T/R circuit as seen in the 30/40, 40/40 etc. I wrote the source (NN1G, naturlich) and received permission to post the reply. Here is how it works.....

When in the receiving mode, DC current flows through all four diode (6 mA total, divided by the two paths. The DC bias on the diodes puts them in the conducting state for small signals (On the order of a few ohms of "dynamic" resistance. The presence of a large transmitted signal upsets the conduction paths by reverse-biasing the signal diodes out of conduction, thus opening the path.

72- Dave, NN1G

I might test it out in a 30 meter rig I'm stringing together. From the reports I've heard from 30- & 40-40 owners, it is top drawer.

GL es 72, Jim N00CT

From owner-qrp-l@netcom.com Mon Nov 14 01:57:40 1994
Date: Sun, 13 Nov 94 21:11:13 PST
Message-Id: <9411140511.AB02396@altair.csustan.edu>
From: dh@altair.csustan.edu (Doug Hendricks)
Subject: NorCal Goes North

It was another fantastic QRP weekend for me. For the past few months I have been keeping a nightly QRP SSB schedule with the boys from the BC QRP Club, who just happen to be the cutting edge of QRP SSB construction in North America to the best of my knowledge. This group includes Derry Spittle, VE7QK, who designed the Epiphyte that was published in the Sept. issue of QRPp, Bruce Gellately, VE7ZM, who took Derry's design and modified it into his own version, called the California Board, (which will be published in the March issue of QRPp), and Joe Stipek, VE7TX, who built the

Neophyte, which is the SSB transceiver that fits in a cigarette package and was in the December 1991 issue of QST (picture only) and that I had at the QRP forum at Pacificon. We meet on 75M and talk about QRP and other mutual interests, but mostly QRP. One evening they mentioned that they would like to have me come to one of their meetings in Vancouver. The next day I heard an ad for a cheap flight to Seattle on the radio, and I called and made arrangements to fly up there the weekend of Nov. 11, Veterans Day weekend.

John Liebenrood, K7R0, who wrote an outstanding article on how to interface the T2/R2 combination in Dec. QRPP, also joins us on the air. He agreed to drive to Seattle from Portland, and the two of us would then continue on to Vancouver. John also agreed to bring along his R2/T2 rigs, and the boys in Canada were really excited then. They arranged to have the quarterly meeting of the BC QRP Club to coincide with our visit, and we were all set.

I caught the plane in Oakland and had an uneventful flight (always my favorite kind) to Seattle. John met me at the gate, and recognized me immediately. (It helped that I was carrying radio gear and had a copy of the Dec. issue of QRPP in my hand.) We headed north on I-5, and made contact with Derry, Bruce and Joe who were listening on 2 meters for us. The drive was nice, and John and I discussed QRP for 2 hours as the miles flew by. The time went fast and soon we were at the border. It took us an hour and a half to get through the border, as the lines were horrible. But, we made it and then made the short drive to Joe's house where we spent the night.

Saturday found us up bright and early and excited about the meeting. We traveled to Dave, VE7PCC's house, who was to host the meeting. He greeted us at the door, and then took us into his shack. There, I saw one of the most beautiful packaging jobs I have ever seen of a homebrew rig. Dave has an Epiphyte, but not just any Epiphyte. It has a digital frequency counter, and is in a red anodized case that is about 1 inch high by 4 inches deep by 8 inches long. Absolutely beautiful.

We met over 20 members of the QRP club and most had brought their rigs to show. SSB rigs were everywhere. Big ones, little ones, Epiphytes, Neomytes, California Boards, they were all there, and not just one version. It seems that every member has made little mods and changes to their rigs, and they are constantly changing them. Derry had the latest version of the Epiphyte. It is mounted in a plastic recipe file case, and has a 5 watt amp mounted underneath the main transceiver board. The mike is mounted to the top of the case, and when you open the lid, everything that you need is right there. John demonstrated the R2/T2 rigs, and I was amazed at the sound. You have to hear them to believe it. Definitely worth experimenting with. It is truly the best audio that I have ever heard. I took the NorCal 40 and the Sierra to show the projects from NorCal. They were all interested in when the "SSB" mods for the Sierra would be out. I told them to be patient, that it was in the "pipeline". I took copies of the December issue of QRPP to hand out, and the members were surprised to get their copies hand delivered. I took along extras that I had printed up to give to the rest of the members.

The meeting ended all too soon, but several of the members had to catch the 3:00 ferry back to Victoria. Derry invited John and I to his house

to see his shack and to have dinner. We had a wonderful steak dinner at one of Vancouver's nice restaurants, the "Keg". Derry gave John and I a full account of the history of the BC club, and also his trip to England and visit with Rev. Dobbs. It was extremely interesting and informative. One thing that I found interesting was the fact that they have been meeting for years and working on QRP SSB rigs.

We returned to Joe's house late Saturday night, and finally got to bed about 12:30. Joe is a wonderful host and is a very interesting person to meet. John said it best when he described him as a true "Renaissance Man".

I would like to thank Joe, Derry, Bruce, Dave and the rest of the BC QRP Club for the wonderful time that they gave John and I. The hospitality was superbe, and we were treated like Kings. The best part of the trip was meeting and talking with so many excited QRPers. I picked up 2 or 3 more articles for QRPp and learned a ton of valuable information.

The weekend was great. It was not expensive, as the flight to Seattle was only \$99 roundtrip from Oakland, and we stayed with our Canadian friends when we arrived. This weekend was fun, and all made possible by QRP and ham radio.

72, Doug, KI6DS

From owner-qrp-l@netcom.com Mon Nov 14 19:23:06 1994

Date: Mon, 14 Nov 1994 18:26:19 +0200 (EET)

From: "Arjen Raateland, VYH/vet, puh. 90-4028 350" <Arjen.Raateland@vyh.fi>

Subject: OHR QRP Spirit

Message-Id: <01HJH9EG1JLU94DVNP@vyh22.vyh.fi>

Hi,

A few weeks ago during a holiday away from work and the net I put together an 80 m QRP Spirit. Checking most components with a meter before putting them on the circuit board saved me at least from mixing up 1k5 and 7k5 resistors. After finishing the assembly stage I proceeded to tuning.

I didn't have an 20 MHz oscilloscope, so I used a RF-probe to measure the voltage output from the VFO. I got only 0.2 V rms. Later I measured 0.26 V rms on the TX board VFO input. These values are less than 1 V peak-to-peak. For balanced diode mixers most sources indicate +5 to +10 dBm. This again is more than 1 V rms over 50 Ohms in my reckoning. BTW, still lacking a 'scope, I balanced the VFO mixer by adjusting for a peak in the VFO output with the trimpot somewhere near the middle.

What could I do to get the VFO output up?

I plugged tiny Sony earphones (from a walkman) into the phones-jack to

see if the receiver worked and after the initial joy of hearing anything at all, I detected two problems:

1. High frequency audio noise (not within the audio filter bandpass), which persisted even with the volume turned all the way down. I suspected the LM380 of being a noisy individual and bought a replacement which was just as noisy. Fortunately this problem solved itself, when, after returning home, I connected somewhat bulkier Sennheiser HD-420 headphones. These obviously have a higher impedance and now the noise problem was gone completely....
2. During the day a high power MW (747 kHz) transmitter at about 30 km from the holiday site made 80 m reception quite impossible. I also measured more than 1 V rms on the collector of the RF preamp as long as that station was on the air.

As a temporary measure I connected a parallel LC-circuit tuned to 747 kHz in series with the antenna lead. This killed the din. Ideally a high-pass filter for the RX only would be the best solution. Back here in Helsinki (Finland) I haven't experienced any problems caused by MW BC stations yet, though. In practice, from the way the kit is designed, a high-pass filter would be in use with the TX also, and from what I've read about LC-filters some may introduce a variable mismatch. So I'm not sure what would be the best way to go. Any advice is welcome.

Would block-shaped layered film capacitors with sintered leads on the ends do in a RF filter, or is there a good reason why transmitter circuits often specify silver-mica capacitors? S-M's are very hard to come by over here.

Would anybody know about the level of harmonics suppression to be expected with only the low-pass filter used in the kit? The values of the coils in the filter have not been indicated on the parts list and I haven't measured them. Counting the turns and assuming the red core to be an Amidon T-50-2 core, resulted in abt. 3 microH, but I suppose this is too high an estimate for spaced turns. So I can't really compare the filter to data from filter tables.

Perhaps some of you have measured the output from the OHR QRP Spirit with proper instruments and would care to tell about their findings.

BTW, taking components off a through-plated PC-board is pretty hard even with a solder pump! I omitted a washer from one 2N3053 and, just to make things look perfect, put it in later when I found it even though I knew it's not essential in any way. What a pain it was to get the 2N3053 out!

But it's a nice kit. It's my first kit, but probably not my last.

Arjen Raateland, OH2ZAZ

From owner-qrp-l@netcom.com Mon Nov 14 21:08:12 1994
Date: Mon, 14 Nov 94 12:46:37 MST
From: torell@sicom.com
Message-Id: <9411141946.AA12670@sicom.com>
Subject: Power Transistors ... Where?

I have been looking for the 2N3553 output transistor in the transmitter of the 40-40 design, and can't find it from DigiKey, Jameco or Radio Shack. So where do you find these things?
Kent Torell KJ7EY
torell@sicom.com

From owner-qrp-l@netcom.com Tue Nov 15 01:39:23 1994
Date: Mon, 14 Nov 1994 23:51:41 -0330 (NST)
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: Re: Power Transistors ... Where?
Message-Id: <Pine.3.87.9411142341.D8959-01000000@random.ucs.mun.ca>

Kent - try Dan's Small Parts and Kits, Montana 406-543-2872

72 Bob V01DRB/WA6ERB.

PS: I used a 2SC799 - does the 2N3553 have a better rating?

On Mon, 14 Nov 1994 torell@sicom.com wrote:

> I have been looking for the 2N3553 output transistor in the transmitter of
> the 40-40 design, and can't find it from DigiKey, Jameco or Radio Shack.
> So where do you find these things?
> Kent Torell KJ7EY
> torell@sicom.com
>

From owner-qrp-l@netcom.com Tue Nov 15 02:35:10 1994
Message-Id: <199411150422.XAA17091@thor.INS.CWRU.Edu>
From: Stephen Trier <sct@po.cwru.edu>
Date: 15 Nov 1994 04:22:08 GMT
Subject: Re: Power Transistors ... Where?

The only place I've seen 2N3553s is MCM Electronics. They're \$5.45 qty. 1, with price breaks at 5 and 10. Minimum order is \$20. MCM's phone is 1-800-543-4330. It's worth calling for a catalog -- they have a good range of transistors. Unfortunately, their prices are high.

Radio Shack claims to be able to source almost any transistor. You could give them a try. I'm a little skeptical about it, but it might be worth a shot.

Stephen

--

Stephen Trier "[W]hen you've got Ethernet running to your desktop,
sct@po.cwru.edu you don't want to talk to people."
KG8IH - jacobs@eek.student.cwru.edu, on ham radio at CWRU

From owner-qrp-1@netcom.com Mon Nov 14 18:14:22 1994
From: Bilbee@aol.com
Date: Mon, 14 Nov 1994 13:29:34 -0500
Message-Id: <941114132929_7329922@aol.com>
Subject: QRPing from motels

I wonder if any of you do QRPing from motels or hotels and what your experiences are

I do a fair amount of travelling on my job, and I bring along my Ten Tec Scout when travelling ... and several antennas. The people who do the X-rays at the airports are usually quite surprised at what they see in my suitcase!

I'm always trying to figure out which motel within a given city might be best for operating. Some of my emerging criteria are:

-- be able to step out onto a porch of some kind so as to easily put up an outside antenna.

-- be as high as possible (at least second story)

-- the motel is ideally constructed of wood with no metal

-- the room should have a table for operating

-- be able to choose a room facing in the right direction

I've learned (no surprise, really) that outside antennas are infinitely superior to in-room antennas. Whatever I have to do to get that antenna outside, I do it.

I've had very good luck lately with configuring a slinky inverted-V antenna into a loop connected at the ends. The loop is about 12' horizontal by about 6' vertical and fed in the center of the top horizontal component. Use a

tuner to get 1:1 SWR on 40m. Also can use on 20m.

Other antennas I take: a copper-wire inverted V for 40, an end-fed dipole for 20m, and plan to take 40m hamstick when travelling by car.

-- Bil Paul KD6JUI

From owner-qrp-1@netcom.com Tue Nov 15 00:52:38 1994
Date: Mon, 14 Nov 1994 20:42:00 -0600 (CST)
From: Bob Howle <bhowle@freud.inst.com>
Subject: Re: QRPing from motels
Message-Id: <Pine.SOL.3.90.941114203409.7033B-100000@freud>

Bil -

When operating from hotels I always bring plenty of wire and lots of duct tape. . . just lately I've considered using a Hamstick (mono band mobile antenna) and a vice-grip type mount to clamp the antenna to the second or third floor railing - use a run of duct tape to tape the coax to the walk way - this keeps other guest and staff from tripping over your feed line. Be sure to ask for a second or third floor room at the far end of the building to keep passersby to a minimum.

If anyone asks what you're up to tell 'em you work for the EPA and that you antenna is actually an air sampler and must not be disturbed until after sunrise. It worked for me.

Good Luck -

Bob / WA4ZID

From owner-qrp-1@netcom.com Tue Nov 15 02:11:27 1994
Date: Mon, 14 Nov 1994 23:23:16 -0500 (EST)
From: Brien Pepperdine <pepperb@gov.on.ca>
Subject: Re. 30-40
Message-Id: <Pine.3.07.9411142316.A4342-b100000@govonca>

I have a problem with the NE 30-40 I am building, maybe someone can point to whatever is being indicated by the symptoms.

I am not getting much reception (none really, no atmospheric noise etc.) on my 30-40 as it sits, but on page 16 of the manual there are some hints that lead me to think it is almost there -

Under Receiver -

YES!!! if I touch the 10K resistors to the left of AF amp U4 I DO get the audible-hum or buzz!!!

YES!!! if I touch an antenna wire to the 470 ohm resistor to the left of U3 (product detector) I did get shortwave crud (I think - is the Pittsburgh-Notre Dame football game on shortwave?? cause that's what I heard, and I am in Toronto).

I don't have a g.c. receiver, so listening for the 8.192 IF / BF0. is not possible.

What does the success in receiving the 'crud' indicate is GOOD?? but where does that tell me something is BAD if the general band noise is non-extistant?

BTW, the crud football game was very loud, broad spectrum overload ie. adjustment of the RF gain and tuning pots did nothing, it was still there.

Thanks.

Brien
VE3VAW
Toronto
pepperb@gov.on.ca

From owner-qrp-1@netcom.com Mon Nov 14 19:23:13 1994
Date: Mon, 14 Nov 1994 13:23:42 -0600 (CST)
From: Jeff Gold <JMG@tntech.edu>
Subject: Sierra+73 mag
Message-Id: <01HJGYRA6VIQBOSQVU@tntech.edu>

All,

73 magazine seems to be doing a lot on QRP lately. This month they had 2 full articles on QRP kits.

Well real reason I am writing.. did everyone see the picture of the Sierra in Dec. 73 mag? Sure wish I would have had the funds to buy one when they came out.

PS.. digital QRP.. not sure whether I posted... got the digital modes working on my Omni VI. had a real long QSO with a guy in California.. turned back the power to 1 watt.. no decrease in speed.. full speed all the way.. when I turned it under 1 watt.. slowed the link up.

73,72

Jeffro, AC4HF

From owner-qrp-l@netcom.com Mon Nov 14 16:43:22 1994
Message-Id: <199411141659.LAA24839@harbor.ecn.purdue.edu>
From: Duane P Mantick <wb9omc@ecn.purdue.edu>
Subject: UNSUBSCRIBE
Date: Mon, 14 Nov 1994 11:59:44 -0500 (EST)

Forwarded message:

> From: James Van Houten <alarm@access.digex.net>
> To: qrp-l@netcom.com
> Subject: UNSUBSCRIBE
>
> Hate to do this but.....
>
> I have sent several UNSUBSCRIBE messages to listserv@netcom.com to
> remove me from this list and it has not worked. Can someone of power
> please assist. Thanks
>
> 73's
> --Jim
> KA3TTU
>

Well, I sympathize with Jim.

I am sorry to say it but due to a most EMPHATIC complaint from my boss last week, I am going to have to ask to be unsubscribed from this group. I have enjoyed your company and hospitality, but the volume of mail and the amount of time I have to spend dealing with it has caused a rather high level of irritation to the man who signs my timecards.

So long and best of 73's to you....

Duane Mantick
WB9OMC

From owner-qrp-l@netcom.com Mon Nov 14 21:16:37 1994
From: m266008@stlmail2.mdc.com
Message-Id: <199411142124.NAA03354@mail3.netcom.com>
Subject: Wanted: HW-99, HW-7
Date: Mon, 14 Nov 94 15:20:39 CST

Wanted: HW-99 'Novice' tranceiver. Any condition concidered. State cond., price. Also, HW-7 for parts, restoration. Obviously, I don't 'know any better'. THX. NOXEU Matt (314) 962-1418 (eves, 6-9:PM cst) or here.